

Notice of Allowability	Application No.	Applicant(s)	
	09/891,792	HATTIG, MYRON P.	
	Examiner	Art Unit	
	Michael J. Moore, Jr.	2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Amendment filed 7/20/07.
2. ☒ The allowed claim(s) is/are 29-44 (renumbered 1-16, respectively).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the specification, on page 2, line 1, replace "application number 09/891,729" with --application number 09/290,356--.

Allowable Subject Matter

2. Claims **29-44** (*renumbered 1-16, respectively*) are allowed.
3. The following is an examiner's statement of reasons for allowance:

Regarding *amended* claim **29**, *Shima et al. (U.S. 6,366,964)* teaches that upon a bus reset event occurring, self-identifying information (advertised discovery information) for the devices coupled to the 1394 network is received in response to a query by the monitoring application as shown in step 104 of Figure 4 and spoken of on column 7, lines 47-50.

Shima et al. also teaches the receiving of object and subobject information by the monitoring node including characteristics, unique ID and physical ID (list of devices and services) as spoken of on column 6, lines 29-53.

Brewer (U.S. 6,657,999) teaches a method and apparatus for interconnecting Ethernet and 1394 networks as shown in Figure 3 and spoken of on column 7, lines 1-22.

Fujimori et al. (U.S. 5,978,854) teaches that upon a bus reset, ARP or RARP requests are sent by node devices of the network as shown in Figure 2 and spoken of on column 3, lines 24-35.

Fujimori et al. also teaches the reception of bus ID, node ID, node unique ID, and IP address information by a requesting node (discovering device) in response to an ARP or RARP request as spoken of on column 3, lines 30-36.

Fujimori et al. also teaches each requesting node storing (maintaining) bus ID, node ID, node unique ID, and IP address information (list of devices and services) in its corresponding address cache table as shown in Figure 3 and spoken of on column 3, lines 30-36.

Shima et al., *Brewer*, *Fujimori et al.*, and the other prior art of record fail to teach “receiving the advertised discovery information at each discovering device in a non-1394 network; and each discovering device in the 1394 and non-1394 networks maintaining a list of devices in the network and a list of services associated with each device in the network using the advertised discovery information” in combination with the other limitations of claim **29**.

Regarding claims **30-32**, these claims are further limiting to claim **29** and are thus also allowable over the prior art of record.

Regarding *amended* claim **33**, *Fujimori et al.* teaches that upon a bus reset, ARP or RARP requests (solicit packet) are sent by node devices of the network as shown in Figure 2 and spoken of on column 3, lines 24-35.

Fujimori et al. also teaches where the ARP request packet of Figure 4 includes a bus indicator as shown in Figure 4 and spoken of on column 3, lines 54-59.

Fujimori et al. also teaches the reception of bus ID, node ID, node unique ID, and IP address information by a requesting node (discovering device) in response to an ARP or RARP request as spoken of on column 3, lines 30-36.

Fujimori et al. also teaches each requesting node storing (maintaining) bus ID, node ID, node unique ID, and IP address information (list of devices and services) in its corresponding address cache table as shown in Figure 3 and spoken of on column 3, lines 30-36.

Brewer teaches a method and apparatus for interconnecting Ethernet and 1394 networks as shown in Figure 3 and spoken of on column 7, lines 1-22.

Fujimori et al., *Brewer*, and the other prior art of record fail to teach “the discovering device sending the solicit packet to a plurality of network devices in a non-1394 network” in combination with the other limitations of claim **33**.

Regarding claims **34-37**, these claims are further limiting to claim **33** and are thus also allowable over the prior art of record.

Regarding *amended* claim **38**, *Shima et al.* teaches that upon a bus reset event occurring, self-identifying information (advertised discovery information) for the devices coupled to the 1394 network is received in response to a query by the monitoring application as shown in step 104 of Figure 4 and spoken of on column 7, lines 47-50.

Shima et al. also teaches the receiving of object and subobject information by the monitoring node including characteristics, unique ID and physical ID (list of devices and services) as spoken of on column 6, lines 29-53.

Brewer teaches a method and apparatus for interconnecting Ethernet and 1394 networks as shown in Figure 3 and spoken of on column 7, lines 1-22.

Fujimori et al. teaches that upon a bus reset, ARP or RARP requests are sent by node devices of the network as shown in Figure 2 and spoken of on column 3, lines 24-35.

Fujimori et al. also teaches the reception of bus ID, node ID, node unique ID, and IP address information by a requesting node (discovering device) in response to an ARP or RARP request as spoken of on column 3, lines 30-36.

Fujimori et al. also teaches each requesting node storing (maintaining) bus ID, node ID, node unique ID, and IP address information (list of devices and services) in its corresponding address cache table as shown in Figure 3 and spoken of on column 3, lines 30-36.

Shima et al., *Brewer*, *Fujimori et al.*, and the other prior art of record fail to teach “a plurality of network devices connected to the one or more 1394 buses and the non-1394 networks, each of the plurality of network devices generating advertised broadcast information upon a reset of a 1394 bus coupled to the each of the plurality of network devices and upon a receipt of a solicit packet containing a bus identifier corresponding to an identifier of a 1394 bus coupled to the each of the plurality of network devices” in combination with the other limitations of claim **38**.

Regarding claims **39-42**, these claims are further limiting to claim **38** and are thus also allowable over the prior art of record.

Regarding *amended* claims **43 and 44**, these claims are allowable for similar reasoning as that applied to claim **29** above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Okuyama et al. (U.S. 7,058,679) is an additional reference considered pertinent to this application.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael J. Moore, Jr. whose telephone number is (571) 272-3168. The examiner can normally be reached on Monday-Friday (7:30am - 4:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wing F. Chan can be reached at (571) 272-7493. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Michael J. Moore, Jr.
Examiner
Art Unit 2616

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SUPERVISORY PATENT EXAMINER